## CONTENTS OF VOLUME THE THIRTY-FIFTH.

N.
R.
N.
N.
R.
N.
N.
R.
N.
R.
N.

	PAGE
The Entry and Training of Naval Officers. By Rear-Admiral N. Bown	DEN- 1
On Belleville Boilers and their Applicability to Ocean-going Vessels. Tr lated from the "Russian Naval Magazine" for July, 1890. By M WOLFE MURRAY, R.A	lajor
Cruizer-War and Coast Defence. Translated by permission from "Mittheilungen aus dem Gebiete des Seewesens." By Commande GARBETT, R.N.	r H.
Considerations on the Employment of Torpedo-boats. From the "It nationale Revue über die gesammten Armeen und Flotten." Transl by Captain J. F. Daniell, R.M.L.I.	ater- ated
Tactics and Vertical Fire. A Winter Lecture delivered to the Officer the Fortress of Ingolstadt by Lieut. General von Saubr. Trelated by permission from the German by Captain E. H. Bethell, I	es of cans- R.E.,
Brigade-Major R.E. in Ireland  Notes on Manœuvres of the Prussian Guard Cavalry Division, 1890.  Major Edward Hegan, 5th Dragoon Guards, D.A.A.G.	By
The Storming of Doobyan. Extracts from a review of "The Operation the Batteries of the 1st Artillery Brigade of the Guard in the Tur War, 1877-78."—(Khítrov). Translated by Captain E. LAMB. R.H.A., from the "Russian Artillery Journal"	s of
Notices of Books	
A proposed Method of Training Naval Stokers, and otherwise increasing Efficiency of the Steam Branch Personnel. By Chief Engineer LANGMAID, R.N.	the J.
Steel as applied to Armour Plates. By CHARLES WESTON SMITH, Esq	
Names of Members who joined the Institution between 1st October 31st December, 1890.	and
Tactical Deductions from the Course of Practice of the Swiss Field Artil in 1890. By Colonel A. SCHUMACHEB, Chief Instructor, Swiss Artill Translated by LieutColonel Walford, R.A.	ery.
Red Indian Warfare. By the Author of "The Campaign of Fredericksbu	
Notices of Books	203
On the Present System of Enlistment and Pay of our Soldiers, and Bearing on Recruiting. By LieutColonel W. T. DOONER, Command 1st Royal Inniskilling Fusiliers	ling
On Army Cooking and Messing. By Lieutenant and Quartermaster F THORPE, 1st Royal Irish Rifles	. J.
On the Advantage of forming Collections at Greenwich, with a view supplying the means of studying the Origin and gradual Developm of various branches of Naval Science. By C. R. MARKHAM, Esq., C. F.R.S.	to ent .B.,

	PAGE
Some Thoughts on the Education of Naval Officers. Translated by permission from the "Marine-Rundschau," November, 1890. By Captain	000
J. F. DANIELL, R.M.L.I.  The Self-Fitting Austrian Military Saddle.	308
	319
Notices of Books The Development of Field Artillery Material. By LieutColonel N. L.	919
Walford, R.A.	321
Attack Formation. By Colonel G. UPTON PRIOR, late Commanding 2nd Battalion the Royal Scots	345
Manning the Fleet; a Re-arrangement of Existing Corps and their Training. By Captain Charles Johnstone, R.N	367
The Military Prize Essay. Subject: The Tactical Operations of the Future (including Questions of Supply and Transport of Ammunition) as affected by the introduction of Magazine Rifles, Machine and Quickfiring Guns, and Smokeless Powder. By Captain G. E. Benson, R.A.	395
On the Utility of an Elementary Knowledge of Geology to the Officers of the Army. By Professor Rupert Jones, F.R.S., F.G.S., &c	455
On Battalion Command. By Colonel M. Gosser, C.B., late Commanding 1st Dorset Regiment	469
Notices of Books	487
Navigation and Pilotage of Her Majesty's Ships. By LORD BRASSEY, K.C.B.	489
Some Recent Continental Ideas upon Tactics. By Captain J. M. GRIEBSON, R.A., D.A.A.G.	503
The Education and Training of Infantry Militia Officers. By Captain R. Holden, 4th Batt. Worcestershire Regt	519
The Navy and its Exhibition. By Captain S. M. EARDLEY-WILMOT, R.N.	547
Names of Members who joined the Institution between 1st January and 31st March, 1891	555
Balloons for Naval Purposes. Translated by permission from the "Internationale Revue über die Gesammten Armeen und Flotten." By Captain J. F. Daniell, R.M.L.I.	558
Disciplinary Companies in the French Army. Summarized from the "Rapport et Décret de 5 Juillet, 1890, sur l'Organisation des Compagnies de Discipline." By Major C. Barter, Staff Captain	565
Military Manœuvres in 1891	569
Notices of Books	572
I. The Ranks compared with Civilian Working Class Life.—II. Recruiting Difficulties.—III. The Condition of the Army Reserve. By Colonel F.	
J. Graves, 20th Hussars	573
Heavy Guns and Heavy Shells versus Light Guns and Light Shells, with some remarks on the Armament of H.M. Ships "Victoria," "Sans Pareil," and "Benbow." By George Quick, Fleet Engineer (retired)	603
The Use of Railways for Coast and Harbour Defence. By Second Lieutenant E. P. GIROUARD, R.E.	631
The late Royal Military Exhibition, and its Value from a Military Point of View. By Major G. E. W. Malet, late R.A., Hon. Director, Royal	0*1
Military Exhibition	651
The Yeomanry and its Future. By Colonel Hon. H. G. L. CRICHTON,	661

## CONTÊNTS.

CONTENTS.	ix
	PAGE
The Russian Naval Manœuvres of 1890. Translated by permission from the "Marine Rundschau," November, 1890, by Commander H. Garbett, R.N.	694
Notices of Books	703
Military Small Arms. By LieutColonel G. V. Fosbery, V.C	707
Masts and Sails as a Means of Training. By Captain CHARLES JOHNSTONE, R.N.	733
Sounding Machines for the Prevention of Strandings, with Special Reference to James' "Submarine Sentry." By Professor LAMBERT, M.A., Royal Naval College, Greenwich	765
The Mounted Infantry Question in its Relation to the Volunteer Force of Great Britain. By LieutColonel E. T. H. HUTTON, p.s.c., h.p., King's Royal Rifles, Commanding the Mounted Infantry Regiment	785
The Handieraft of Navigation and Nautical Surveying. By Commander	
T. A. HULL, R.N.	815
Notices of Books	839
Principles of Retirement in the Services. By Rear-Admiral P. H. COLOMB.	841
The Supremacy of the Navy for Imperial Defence. By Lieutenant-General Sir W. F. DRUMMOND JERVOIS, G.C.M.G., C.B.	869
The German Manœuvres. By Captain J. M. GRIERSON, R.A., D.A.A.G	917
Considerations regarding a Method of Fighting for the Infantry suited to the present Conditions.	931
New Regulations for Promotion by Selection in the Italian Infantry and Cavalry. Translated from the "Giornale Militare Ufficiale," by Captain	1 - 3
W. Tenison, the Manchester Regiment	947
Notices of Books	951
The Training of our Recruits. By Colonel G. HATCHELL, Commanding Rifle Depôt.	953
Précis of the Regimental History of the 3rd Brandenburg Infantry Regiment (No. 20) during the Campaign of 1870-71. Extracted by Colonel	
H. J. HILDYARD, A.A.G	972
Military Law in Germany. By Colonel W. A. EARDLEY-WILMOT, Deputy	1029
Judge Advocate.	1063
Notices of Books	1000
The Re-establishment of a Separate Navigating Line in the Royal Navy. By C. C. P. FITZGERALD, Captain R.N.	1065
The Military Resources of the Island of Jersey. (With Map.) By Captain HERBERT PLUMER, York and Lancaster Regiment, D.A.A.G.	1077
The History of Volunteering in India. By Colonel J. F. FITZGERALD COLOGAN, Indian Staff Corps	1091
The French Naval Manœuvres of 1891	1102
Heligoland, its Strategic Importance to Germany: a Précis of Articles by Admirals Werner, Batsch, Von Henk, Captain Stenzel, and Colonel Reinhold Wagner. (With Map.) Translated by permission by Com-	
mander H. GARBETT, R.N.	1109
The French Staff. By Colonel DELAVOYE, A.D.M.E.	1125
Notices of Books.  The Feeding of Seamen and Marines on Board H.M. Ships and those in the	1147
Navy of the United States. By a Naval Officer	1149

## CONTENTS.

	PAGE
"That the Re-establishment of a Separate Navigating Line in the Na is Unnecessary." By Captain WILLIAM WILSON, R.N	1159
Magazine Rifles in War—A Military Prospect. By T. A. Perry Marsh Surgeon-Captain Army Medical Staff	1167
Names of Members who joined the Institution between the 1st July and the 30th September, 1891	
Colonel v. Löbell's Annual Reports upon the Changes and Progress in Military Matters during 1890. By Colonel H. HILDYARD	
The French Naval Manœuvres of 1891: a Précis of an Article in the "Revue des Deux Mondes." Prepared by Commander H. GARBETT, R.N	1237
Notices of Books	1251
The Question as to the Military-Political Situation in the Mediterranean Sea.  Translated from the Russian by LieutCol. W. E. Gowan, Bengal Infantry	
A Light Cavalry Regiment on Active Service (with Sketch-maps). By Captain F. MAUDE, late R.E.	
Report made in the Name of the Commission of the Budget charged with examining the "Projet de Loi" for fixing the "Budget Général de l'Exercice" 1892. By M. Henri Benrisson (Député). Translated by Commander D. A. CROFTON, R.N.	1297
Mounted Infantry Patrols the necessary Results of our present System of Fighting. By Major Carl Regenseursey, Vienna	1313
An Artillery Practice Game. Summarized by Major E. S. MAY, R.A	1327
Notices of Books	1331
Note on some Recent Experiments with the Submarine Sentry. By Mr. S. H.	
James	1334
Index of Subjects and Authors	1335
Proceedings of the Sixty-first Anniversary Meeting	i
Statement of Changes amongst the Members	6 i
Tabular Analysis, Appendix A	viii
Appendices B and C	x
Report of the Referees (Naval Prize Essay)	xiy
Additions to the Library. These will be issued yearly in the form of an Accession Catalogue.	
Parliamentary Papers received in 1891	xxv
Publications purchased and exchanged	xxvi
Maps, plans, charts, &c	xxviii
Additions to the Museum	xxviii

67 81

51

63

27 31

35

i i iii x iy

vi iii iii